

Research output of postsecondary faculty

In many postsecondary institutions, faculty members are expected to produce and publish original research such as journal articles, books, or reports. This research responsibility is usually in addition to their teaching responsibilities, meaning that faculty members must strike a balance between research and teaching. On the one hand, research activities can be an asset to both the institution and students, bringing together the creation and the transmittal of knowledge. On the other hand, research activities may decrease the amount of time faculty have to prepare lectures and work individually with students.

- In both the fall of 1987 and the fall of 1992, the average research output of full-time postsecondary faculty for the previous 2 years was similar, except for a slight decrease in the number of articles written. In the fall of 1992, faculty produced about three articles or creative works and about four presentations or exhibits during the previous 2 years.
- In the fall of 1992, postsecondary faculty at research institutions produced, on average, more articles or creative works during the previous 2 years than faculty at other types of higher education institutions. Faculty at doctoral institutions produced more articles than all other faculty at other types of higher education institutions except for research institutions.
- In general, in the fall of 1992, faculty in agriculture/home economics produced more articles or creative works (7.3), faculty in the social sciences produced more books (0.9), and faculty in the fine arts produced more presentations or exhibits (17.0) during the previous 2 years than faculty members in other fields.
- In the fall of 1992, tenured postsecondary faculty produced on average more articles or creative works, books or monographs, or other works during the previous 2 years than nontenured postsecondary faculty (see supplemental table 59-1).

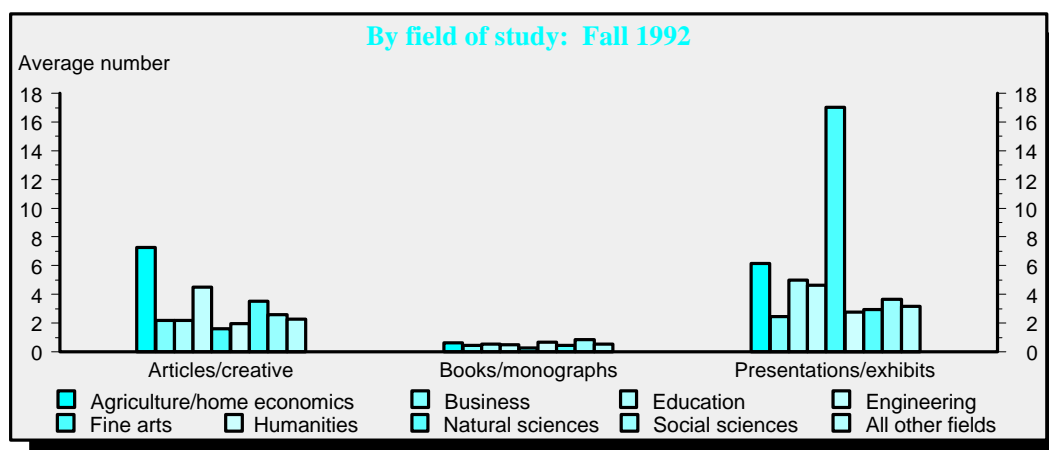
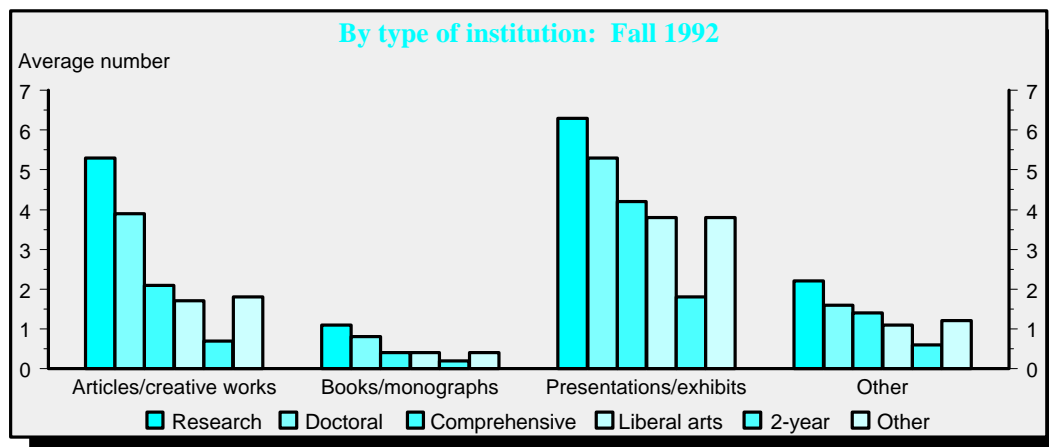
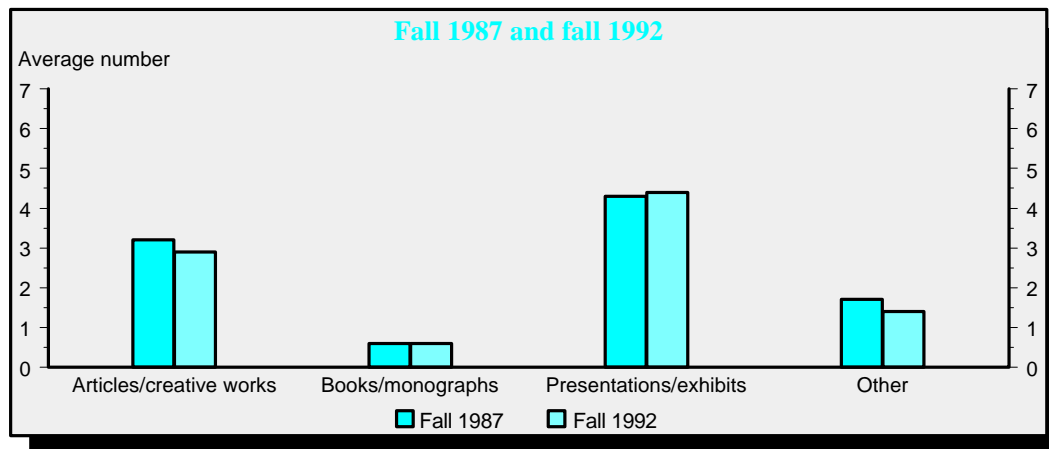
Average research production of full-time postsecondary faculty during the previous 2 years, by academic discipline and type of institution: Fall 1987 and fall 1992

Academic discipline and type of institution	Fall 1987				Fall 1992			
	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other
Total	3.2	0.6	4.3	1.7	2.9	0.6	4.4	1.4
Academic discipline								
Agriculture/home economics	5.5	0.5	4.4	2.0	7.3	0.6	6.2	2.8
Business	1.7	0.3	1.7	1.0	2.2	0.4	2.4	1.4
Education	2.7	0.5	4.4	1.2	2.2	0.5	5.0	1.4
Engineering	3.5	0.5	3.4	2.7	4.5	0.5	4.7	3.0
Fine arts	2.0	0.2	14.7	1.1	1.6	0.3	17.0	0.9
Humanities	2.7	0.7	2.8	1.7	2.0	0.7	2.8	1.2
Natural sciences	3.3	0.4	2.4	2.2	3.5	0.5	2.9	1.4
Social sciences	3.0	1.0	3.3	1.7	2.6	0.9	3.7	1.8
All other fields	2.6	0.5	3.4	1.5	2.3	0.6	3.2	1.3
Type of institution								
Research	5.2	1.2	5.0	2.1	5.3	1.1	6.3	2.2
Doctoral	4.2	0.9	5.5	1.8	3.9	0.8	5.3	1.6
Comprehensive	2.5	0.4	4.5	1.7	2.1	0.4	4.2	1.4
Liberal arts	1.6	0.4	3.3	1.1	1.7	0.4	3.8	1.1
2-year	1.3	0.2	2.6	1.2	0.7	0.2	1.8	0.6
Other	1.8	0.4	4.1	1.4	1.8	0.4	3.8	1.2

NOTE: Included in the totals but not shown separately are health sciences faculty. See the supplemental note to *Indicator 43* for a description of research production measures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Study of Postsecondary Faculty, 1988 and 1993.

Average research production of full-time postsecondary faculty during the previous 2 years



NOTE: See the supplemental note to *Indicator 43* for a description of research production measures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Study of Postsecondary Faculty, 1988 and 1993.

**Average research production of full-time postsecondary faculty during the previous 2 years,
by academic discipline and type of institution: Fall 1987 and fall 1992**

Academic discipline and type of institution	Fall 1987				Fall 1992			
	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other
Total	3.2	0.6	4.3	1.7	2.9	0.6	4.4	1.4
Academic discipline								
Agriculture/home economics	5.5	0.5	4.4	2.0	7.3	0.6	6.2	2.8
Business	1.7	0.3	1.7	1.0	2.2	0.4	2.4	1.4
Education	2.7	0.5	4.4	1.2	2.2	0.5	5.0	1.4
Engineering	3.5	0.5	3.4	2.7	4.5	0.5	4.7	3.0
Fine arts	2.0	0.2	14.7	1.1	1.6	0.3	17.0	0.9
Humanities	2.7	0.7	2.8	1.7	2.0	0.7	2.8	1.2
Natural sciences	3.3	0.4	2.4	2.2	3.5	0.5	2.9	1.4
Social sciences	3.0	1.0	3.3	1.7	2.6	0.9	3.7	1.8
All other fields	2.6	0.5	3.4	1.5	2.3	0.6	3.2	1.3
Type of institution								
Research	5.2	1.2	5.0	2.1	5.3	1.1	6.3	2.2
Doctoral	4.2	0.9	5.5	1.8	3.9	0.8	5.3	1.6
Comprehensive	2.5	0.4	4.5	1.7	2.1	0.4	4.2	1.4
Liberal arts	1.6	0.4	3.3	1.1	1.7	0.4	3.8	1.1
2-year	1.3	0.2	2.6	1.2	0.7	0.2	1.8	0.6
Other	1.8	0.4	4.1	1.4	1.8	0.4	3.8	1.2

NOTE: Included in the totals but not shown separately are health sciences faculty. See the supplemental note to *Indicator 43* for a description of research production measures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Study of Postsecondary Faculty, 1988 and 1993.

Table 59-1 Average research production of full-time postsecondary faculty during the previous 2 years, by tenure status, academic rank, and control of institution: Fall 1987 and fall 1992

Tenure status, academic rank, and control of institution	Fall 1987				Fall 1992			
	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other
Total	3.2	0.6	4.3	1.7	2.9	0.6	4.4	1.4
Tenure status								
Tenured	3.6	0.7	4.3	2.0	3.3	0.7	4.6	1.7
Not tenured	2.7	0.5	4.3	1.3	2.3	0.4	4.1	1.1
Academic rank								
Full professor	4.3	0.9	4.6	2.4	4.2	0.9	5.3	1.9
Associate professor	3.8	0.8	4.7	1.8	3.0	0.7	4.9	1.5
Assistant professor	2.9	0.5	4.8	1.4	2.8	0.5	4.4	1.3
Instructor/lecturer	1.2	0.2	2.8	1.1	0.9	0.2	2.2	0.6
Other/not applicable	1.2	0.1	3.4	0.7	1.2	0.2	3.4	1.0
Control of institution								
Public	3.2	0.6	4.4	1.8	2.9	0.6	4.4	1.4
Private	3.2	0.7	4.3	1.4	2.9	0.7	4.4	1.4

NOTE: See the supplemental note to *Indicator 43* for a description of research production measures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Study of Postsecondary Faculty, 1988 and 1993.

Table 59-2 Average research production of full-time postsecondary faculty over their careers, by academic discipline and type of institution: Fall 1987 and fall 1992

Academic discipline and type of institution	Fall 1987				Fall 1992			
	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other
Total	18.2	2.4	24.8	8.4	19.1	2.4	30.8	8.8
Academic discipline								
Agriculture/home economics	33.0	2.8	29.0	8.6	50.8	2.8	41.8	17.3
Business	8.0	1.2	8.5	6.7	10.9	1.7	15.5	8.5
Education	14.3	2.0	26.5	6.1	12.9	2.3	32.2	7.0
Engineering	18.7	1.9	16.0	17.0	27.7	1.9	23.7	21.8
Fine arts	8.8	0.9	80.7	6.4	11.8	1.0	162.5	6.5
Humanities	13.5	3.1	14.2	9.7	13.6	2.7	17.2	8.6
Natural sciences	21.3	1.8	14.8	9.3	26.4	2.0	20.7	8.1
Social sciences	20.4	4.2	21.1	10.9	16.9	3.9	24.6	12.4
All other fields	15.6	2.0	17.9	8.1	14.5	2.1	18.0	7.9
Type of institution								
Research	32.2	4.6	31.6	11.2	38.1	4.7	42.8	13.8
Doctoral	26.6	3.0	31.5	8.3	24.0	3.1	36.5	8.8
Comprehensive	12.9	1.4	25.0	9.3	12.8	1.7	31.7	8.1
Liberal arts	8.5	1.4	21.0	5.8	9.9	1.3	27.4	7.3
2-year	4.5	0.8	11.4	4.7	4.1	0.5	11.6	4.0
Other	8.2	1.7	20.7	5.9	10.9	1.4	29.3	7.4

NOTE: Included in the totals but not shown separately are health sciences faculty. See the supplemental note to *Indicator 43* for a description of research production measures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Study of Postsecondary Faculty, 1988 and 1993.

Table 59-3 Average research production of full-time postsecondary faculty over their careers, by tenure status, academic rank, and control of institution: Fall 1987 and fall 1992

Tenure status, academic rank, and control of institution	Fall 1987				Fall 1992			
	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other
Total	18.2	2.4	24.8	8.4	19.1	2.4	30.8	8.8
Tenure status								
Tenured	24.5	3.2	30.3	10.7	26.8	3.5	38.7	11.7
Not tenured	9.7	1.4	17.3	5.3	9.7	1.1	21.2	5.2
Academic rank								
Full professor	34.6	4.7	37.9	14.0	38.2	4.9	48.5	15.4
Associate professor	18.9	2.5	25.8	8.2	16.2	2.2	30.8	8.0
Assistant professor	8.4	0.9	17.9	5.3	9.6	1.1	21.6	5.3
Instructor/lecturer	3.2	0.5	11.1	3.5	4.6	0.5	13.1	3.1
Other/not applicable	5.9	0.9	13.6	4.2	8.2	0.9	23.5	6.8
Control of institution								
Public	18.3	2.4	24.4	8.5	19.3	2.4	30.8	9.0
Private	18.2	2.6	25.8	8.3	18.5	2.5	30.8	8.3

NOTE: See the supplemental note to *Indicator 43* for a description of research production measures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Study of Postsecondary Faculty, 1988 and 1993.

Table S59 Standard errors for the text table in *Indicator 59*

Academic discipline and type of institution	Fall 1987				Fall 1992			
	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other
Total	0.1	*0.0	0.2	0.1	0.1	*0.0	0.1	0.1
Academic discipline								
Agriculture/home economics	0.6	0.1	0.4	0.3	0.8	0.1	0.7	0.5
Business	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2
Education	0.3	0.1	0.3	0.2	0.2	0.1	0.3	0.1
Engineering	0.3	0.1	0.6	0.5	0.4	0.1	0.6	0.4
Fine arts	0.3	*0.0	1.6	0.2	0.2	*0.0	1.5	0.1
Humanities	0.2	0.1	0.2	0.1	0.1	*0.0	0.2	0.1
Natural sciences	0.2	*0.0	0.2	0.6	0.2	*0.0	0.1	0.1
Social sciences	0.3	0.1	0.3	0.2	0.2	0.1	0.2	0.2
All other fields	0.5	0.1	0.4	0.2	0.2	*0.0	0.2	0.1
Type of institution								
Research	0.2	0.1	0.3	0.4	0.2	0.1	0.3	0.1
Doctoral	0.3	0.1	0.6	0.3	0.2	0.1	0.4	0.1
Comprehensive	0.2	*0.0	0.4	0.3	0.1	*0.0	0.2	0.1
Liberal arts	0.2	0.1	0.5	0.1	0.2	*0.0	0.5	0.1
2-year	0.2	*0.0	0.4	0.3	0.1	*0.0	0.1	0.1
Other	0.3	0.1	0.2	0.2	0.3	0.1	0.9	0.2

* Standard errors less than 0.05 are rounded to 0.0.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Study of Postsecondary Faculty, 1988 and 1993.

Table S59-1 Standard errors for table 59-1

Tenure status, academic rank, and control of institution	Fall 1987				Fall 1992			
	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other
Total	0.1	*0.0	0.2	0.1	0.1	*0.0	0.1	0.1
Tenure status								
Tenured	0.2	*0.0	0.2	0.2	0.1	*0.0	0.2	0.1
Not tenured	0.2	0.1	0.3	0.2	0.1	*0.0	0.2	0.1
Academic rank								
Full professor	0.2	0.1	0.3	0.3	0.2	*0.0	0.3	0.1
Associate professor	0.2	0.1	0.3	0.2	0.1	*0.0	0.3	0.1
Assistant professor	0.3	*0.0	0.4	0.2	0.1	*0.0	0.2	0.1
Instructor/lecturer	0.2	0.1	0.4	0.2	0.1	*0.0	0.2	0.1
Other/not applicable	0.2	*0.0	0.8	0.2	0.2	*0.0	0.7	0.2
Control of institution								
Public	0.2	0.5	0.2	0.2	0.1	*0.0	0.2	0.1
Private	0.3	0.6	0.4	0.1	0.2	*0.0	0.2	0.1

* Standard errors less than 0.05 are rounded to 0.0.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Study of Postsecondary Faculty, 1988 and 1993.

Table S59-2 Standard errors for table 59-2

Academic discipline and type of institution	Fall 1987				Fall 1992			
	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other
Total	0.9	0.1	1.2	0.5	0.7	0.1	1.2	0.4
Academic discipline								
Agriculture/home economics	4.0	1.1	3.6	1.3	6.7	0.6	7.1	3.1
Business	1.0	0.2	1.0	1.6	1.1	0.2	1.6	1.3
Education	1.5	0.2	2.4	1.0	1.0	0.3	2.4	0.8
Engineering	1.9	0.3	1.8	3.1	3.0	0.2	2.4	3.3
Fine arts	1.1	0.2	6.5	1.5	1.8	0.2	14.7	1.1
Humanities	0.8	0.3	1.0	0.7	0.8	0.2	1.2	0.7
Natural sciences	1.5	0.2	1.1	1.5	1.6	0.2	1.4	0.9
Social sciences	2.3	0.4	2.4	1.4	1.3	0.3	1.8	1.1
All other fields	2.5	0.3	2.8	1.7	1.3	0.2	1.2	0.7
Type of institution								
Research	1.4	0.3	2.1	1.0	1.8	0.3	2.3	1.1
Doctoral	3.0	0.3	3.3	1.0	1.2	0.2	3.5	0.7
Comprehensive	1.1	0.1	2.5	1.3	0.8	0.1	2.4	0.5
Liberal arts	1.1	0.3	3.8	0.8	0.9	0.1	4.0	0.9
2-year	0.6	0.2	1.3	0.7	0.4	0.1	1.3	0.5
Other	1.4	0.4	3.9	1.0	1.7	0.3	8.5	1.3

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Study of Postsecondary Faculty, 1988 and 1993.

Table S59-3 Standard errors for table 59-3

Tenure status, academic rank, and control of institution	Fall 1987				Fall 1992			
	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other	Articles/ creative works	Books/ mono- graphs	Present- ations/ exhibits	Other
Total	0.9	0.1	1.2	0.5	0.7	0.1	1.2	0.4
Tenure status								
Tenured	1.4	0.2	1.7	0.6	1.1	0.2	1.7	0.6
Not tenured	0.7	0.2	1.3	0.7	0.6	0.1	2.2	0.6
Academic rank								
Full professor	2.1	0.3	2.6	1.1	1.7	0.3	2.5	0.8
Associate professor	1.1	0.2	1.5	0.7	0.7	0.1	2.1	0.6
Assistant professor	0.6	0.1	1.8	1.1	0.6	0.1	2.0	0.5
Instructor/lecturer	0.4	0.2	1.6	0.6	0.4	0.1	2.0	0.4
Other/not applicable	1.1	0.2	2.0	0.8	1.7	0.2	5.1	2.5
Control of institution								
Public	1.0	0.2	1.4	0.6	0.9	0.1	1.5	0.5
Private	2.0	0.2	2.2	0.8	1.4	0.2	2.0	0.5

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Study of Postsecondary Faculty, 1988 and 1993.